

CLAIMS

What is claimed is:

- 5 1. An illumination module of light emitting elements, comprising:
a printed circuit board having a one-dimensional array of light emitting elements arranged thereon; and
a reflecting layer on said surface of said printed circuit board having said light emitting elements arranged thereon, said reflecting layer being applied to provide reflecting means for said light emitting elements.
- 10 2. The illumination module of light emitting elements of claim 1, wherein further comprising a plurality of resistors disposed on said printed circuit board under said reflecting layer.
- 15 3. The illumination module of light emitting elements of claim 1, wherein further comprising a plurality of resistors disposed on a surface of said printed circuit board opposite to said reflecting layer.
- 20 4. The illumination module of light emitting elements of claim 1, wherein said reflecting layer includes a material selected from a group consisting of high-gloss white paint, aluminum, copper, nickel, gold and titanium oxide.
- 25 5. A lateral backlight system with an illumination module of light emitting elements, comprising:
a light guide having at least a light-incident surface, a backside

and a light-existing surface, said backside having a pattern for light scattering formed thereon to direct light propagating in said light guide to emit from said light-existing surface; and

an illumination module of light emitting elements positioned
5 beside said light-incident surface for projecting light thereupon, said illumination module of light emitting elements including a printed circuit board having a one-dimensional array of light emitting elements arranged thereon and a reflecting layer on said surface of said printed circuit board having said light emitting elements, said reflecting layer
10 being applied to provide reflecting means for said light emitting elements.

6. The lateral backlight system with an illumination module of light emitting elements of claim 5, wherein further comprising a plurality
15 of resistors disposed on said printed circuit board under said reflecting layer.

7. The illumination module of light emitting elements of claim 5,
wherein further comprising a plurality of resistors disposed on a surface
20 of said printed circuit board opposite to said reflecting layer.

8. The lateral backlight system with an illumination module of light emitting elements of claim 5, wherein said reflecting layer includes
a material selected from a group consisting of high-gloss white paint,
25 aluminum, copper, nickel, gold and titanium oxide.